

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
		("349"/\$ or "345"/\$) and ((pixel adj electrode) same (distance or spacing or gap)) and (pixel adj electrode)	US-PGPUB; USPAT	OR	ON	2002/07/11 10:02
L1	2	"6683592"	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/09/16 10:24
S2	1088	"345"/\$ and (electro adj optical)	US-PGPUB; USPAT	OR	ON	2003/02/12 09:25
S3	72	("345"/\$ and (electro adj optical)) and ((first and second) near2 substrate) and (pixel near2 electrode)	US-PGPUB; USPAT	OR	ON	2002/07/10 11:34
S4	54	((("345"/\$ and (electro adj optical)) and ((first and second) near2 substrate) and (pixel near2 electrode)) and (thick\$4)	US-PGPUB; USPAT	OR	ON	2002/07/03 16:26
S5	26	((("345"/\$ and (electro adj optical)) and ((first and second) near2 substrate) and (pixel near2 electrode)) and (thick\$4) and (polarity)	US-PGPUB; USPAT	OR	ON	2002/07/03 16:33
S6	2694	345/87	US-PGPUB; USPAT	OR	ON	2002/07/03 16:33
S7	337	345/87 and (opposite near3 polarity)	US-PGPUB; USPAT	OR	ON	2002/07/10 11:09
S8	157	(345/87 and (opposite near3 polarity)) and (thick\$4)	US-PGPUB; USPAT	OR	ON	2002/07/03 16:37
S9	157	(345/87 and (opposite near3 polarity)) and (thick\$4)	US-PGPUB; USPAT	OR	ON	2003/02/04 14:56
S10	10	"5812117"	US-PGPUB; USPAT	OR	ON	2002/07/03 17:16
S11	177	seiko-epson-corporation and (electro adj optical)	US-PGPUB; USPAT	OR	ON	2002/07/10 11:04
S12	7	(seiko-epson-corporation and (electro adj optical)) and ((first and second) near2 substrate) and (polarity) and (insulat\$3) and (project\$4)	US-PGPUB; USPAT	OR	ON	2002/07/08 09:53
S13	1	"5990629".PN.	USPAT	OR	OFF	2002/07/08 09:52
S14	11	Hirabayashi-Yukiya	US-PGPUB; USPAT	OR	ON	2002/07/08 09:55
S15	3	"215172".ap.	US-PGPUB; USPAT	OR	ON	2002/07/08 09:56
S17	582	345/96	US-PGPUB; USPAT	OR	ON	2002/07/08 16:59
S18	455	345/96 and polarity	US-PGPUB; USPAT	OR	ON	2002/07/09 08:34
S19	389	345/96 and ((opposite or revers\$3 or alternat\$4 or invert\$3) near3 polarity)	US-PGPUB; USPAT	OR	ON	2002/07/08 10:24
S20	209	(345/96 and ((opposite or revers\$3 or alternat\$4 or invert\$3) near3 polarity)) and (row and column)	US-PGPUB; USPAT	OR	ON	2002/07/08 14:45
S29	30	((345/96 and ((opposite or revers\$3 or alternat\$4 or invert\$3) near3 polarity)) and (row and column)) and ((first and second) near3 substrate)	US-PGPUB; USPAT	OR	ON	2002/07/08 11:00
S33	77	((345/96 and ((opposite or revers\$3 or alternat\$4 or invert\$3) near3 polarity)) and (row and column)) and (thick\$4)	US-PGPUB; USPAT	OR	ON	2002/07/08 15:01
S34	6	((345/96 and ((opposite or revers\$3 or alternat\$4 or invert\$3) near3 polarity)) and (row and column)) and ((thick\$4) same (row and column))	US-PGPUB; USPAT	OR	ON	2002/07/08 15:06
S35	154	((345/96 and ((opposite or revers\$3 or alternat\$4 or invert\$3) near3 polarity)) and (row and column)) and ((thick\$4 or spac\$3 or pixel) same (row and column))	US-PGPUB; USPAT	OR	ON	2002/07/08 15:14
S36	7	345/96 and ((first and second) near3 substrate) and ((thick\$6) near5 electrode)	US-PGPUB; USPAT	OR	ON	2002/07/08 17:02

S37	58	seiko-epson-corporation and (electro adj optical) and (polarity)	US-PGPUB; USPAT	OR	ON	2002/07/08 17:29
S38	42	(seiko-epson-corporation and (electro adj optical) and (polarity)) and (thick\$6)	US-PGPUB; USPAT	OR	ON	2002/07/08 17:29
S41	128	345/96 and (polarity same (thick\$6 or (pixel adj electrode)))	US-PGPUB; USPAT	OR	ON	2002/07/09 08:54
S42	3224	345/96,87,92,100,211,98,88,54,55,99,205,206.ccls.	US-PGPUB; USPAT	OR	ON	2002/08/08 09:57
S43	136	348/792,37,293.ccls.	US-PGPUB; USPAT	OR	ON	2002/07/09 08:43
S44	71	345/96 and (polarity same (thick\$6 or spac\$3))	US-PGPUB; USPAT	OR	ON	2002/07/09 09:55
S45	690	349/47,37,77,84,155,156.ccls. and (thick\$4)	US-PGPUB; USPAT	OR	ON	2002/07/09 09:56
S46	200	(349/47,37,77,84,155,156.ccls. and (thick\$4)) and (pixel adj electrode)	US-PGPUB; USPAT	OR	ON	2002/07/09 09:57
S47	194	((349/47,37,77,84,155,156.ccls. and (thick\$4)) and (pixel adj electrode)) and (wid\$3 or spac\$3)	US-PGPUB; USPAT	OR	ON	2002/07/09 10:08
S48	18	matsumoto-kimikazu	US-PGPUB; USPAT	OR	ON	2002/07/09 16:51
S49	1947	(liquid adj crystal) same (pixel adj electrode) same (thick\$6 or distance or spac\$3 or wid\$3)	US-PGPUB; USPAT	OR	ON	2002/07/09 11:14
S50	263	(liquid adj crystal) same (pixel adj electrode) same (thick\$6 and wid\$3)	US-PGPUB; USPAT	OR	ON	2002/07/09 11:20
S51	1	(liquid adj crystal) same (pixel adj electrode) same (thick\$6 and wid\$3) same (polarity)	US-PGPUB; USPAT	OR	ON	2002/07/09 11:41
S54	11	saishu-tatsuo	US-PGPUB; USPAT	OR	ON	2002/07/09 15:26
S55	42	349/166	US-PGPUB; USPAT	OR	ON	2002/07/09 15:26
S56	14	shibahara-hideo	US-PGPUB; USPAT	OR	ON	2002/07/09 16:51
S57	3323	345/96,87,92,100,211,98,88,54,55,99,205,206.ccls. or 348/792, 37,293.ccls.	US-PGPUB; USPAT	OR	ON	2002/07/09 17:01
S58	37	345/96,87,92,100,211,98,88,54,55,99,205,206.ccls. and 348/792,37,293.ccls.	US-PGPUB; USPAT	OR	ON	2002/07/09 17:02
S59	41	((("6262702") or ("6160535") or ("6404414") or ("6097465") or ("6069602") or ("5892562") or ("5815134") or ("5680147") or ("5534884") or ("6358759") or ("6320204") or ("6310372") or ("6066860") or ("5811837") or ("5282069") or ("5990629") or ("6198225") or ("6411272") or ("6400350") or ("6396468") or ("6326937") or ("6266038") or ("6243064") or ("6172662") or ("6104367") or ("6011533") or ("5648793") or ("6246460") or ("5956010") or ("6392620") or ("6335779") or ("6310665") or ("6163358") or ("6147729") or ("5436635") or ("6025644") or ("6243062") or ("6403395") or ("6392622") or ("6392354") or ("6377235"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2002/07/09 17:19
S60	185	(pixel near3 (distance or wid\$2 or spac\$3)) same (((liquid adj crystal) or cell) near3 (gap or thick\$6))	US-PGPUB; USPAT	OR	ON	2002/07/10 16:05
S61	1	ozawa-kinya	US-PGPUB; USPAT	OR	ON	2002/07/10 09:46
S62	28	maeda-tsuyoshi	US-PGPUB; USPAT	OR	ON	2002/07/10 09:26
S65	9	seiko-epson-corporation and (electro adj optical) and (line near2 inversion)	US-PGPUB; USPAT	OR	ON	2002/07/10 11:05
S68	69	345/87 and (line adj inversion)	US-PGPUB; USPAT	OR	ON	2002/07/10 11:19
S73	43	(345/87 and (line adj inversion)) and (row and column)	US-PGPUB; USPAT	OR	ON	2002/07/10 11:22

S74	353	"345"/\$ and (((inver\$4 or revers\$3 or opposite) near2 polarity) same (row and column))	US-PGPUB; USPAT	OR	ON	2002/07/10 11:44
S75	903	(pixel) and (polarity) and ((row and column) same (wid\$2 or distance or spac\$6))	US-PGPUB; USPAT	OR	ON	2002/07/10 15:50
S76	498	(pixel) and (polarity) and ((row and column) with (wid\$2 or distance or spac\$6))	US-PGPUB; USPAT	OR	ON	2002/07/10 15:54
S77	1614	(pixel near3 electrode) same (row and column)	US-PGPUB; USPAT	OR	ON	2002/07/10 16:06
S78	102	(pixel near3 electrode) same (row and column) same (polarity)	US-PGPUB; USPAT	OR	ON	2002/07/10 16:10
S79	14	((pixel near3 electrode) same (row and column) same (polarity)) and (distance or width or spacing) and (cell near3 gap)	US-PGPUB; USPAT	OR	ON	2002/07/10 16:12
S80	4	(half near (cell adj gap)) and (polarity) and (pixel near3 electrode)	US-PGPUB; USPAT	OR	ON	2002/07/10 16:45
S81	10	(half near (cell adj gap))	US-PGPUB; USPAT	OR	ON	2002/07/10 16:45
S82	1955	(liquid adj crystal) and (pixel near3 (distance or spacing or opening))	US-PGPUB; USPAT	OR	ON	2002/07/10 17:37
S83	745	((liquid adj crystal) and (pixel near3 (distance or spacing or opening))) and (row and column)	US-PGPUB; USPAT	OR	ON	2002/07/10 17:37
S84	188	((liquid adj crystal) and (pixel near3 (distance or spacing or opening))) and (row and column) and (polarity)	US-PGPUB; USPAT	OR	ON	2002/07/10 17:51
S86	169	("349"/\$ or "345"/\$) and ((row and column) same (distance or spacing or gap)) and (pixel adj electrode)	US-PGPUB; USPAT	OR	ON	2002/07/11 10:01
S87	148	("349"/\$ or "345"/\$) and ((adjacent near3 (pixel adj electrode)) same (distance or spacing or gap))	US-PGPUB; USPAT	OR	ON	2002/07/11 12:13
S90	131	349/44.ccls.	US-PGPUB; USPAT	OR	ON	2002/07/11 11:50
S91	123	349/44.ccls. and (distance or gap or wid\$3 or spac\$)	US-PGPUB; USPAT	OR	ON	2002/07/11 11:52
S92	23	sakamoto-michiaki	US-PGPUB; USPAT	OR	ON	2002/07/11 11:53
S93	67	("349"/\$ or "345"/\$) and ((adjacent near3 (pixel adj electrode)) same (distance))	US-PGPUB; USPAT	OR	ON	2002/07/11 17:19
S98	822	349/47,37,77,84,155,156.ccls.	US-PGPUB; USPAT	OR	ON	2002/08/05 11:07
S99	519	349/123	US-PGPUB; USPAT	OR	ON	2002/08/05 11:08
S100	121	349/123 and polarity	US-PGPUB; USPAT	OR	ON	2002/08/05 12:18
S101	3857	seiko-epson-corporation.as.	US-PGPUB; USPAT	OR	ON	2002/08/05 12:22
S102	241	seiko-epson-corporation.as. and ((liquid adj crystal) and (polarity)	US-PGPUB; USPAT	OR	ON	2002/08/05 13:18
S103	1996	((thick\$4 or spac\$3) near4 (liquid adj crystal)) and (pixel near electrode)	US-PGPUB; USPAT	OR	ON	2002/08/05 13:23
S110	1625	((liquid adj crystal) and ((thick\$4 or spac\$3) with (pixel near electrode)))	US-PGPUB; USPAT	OR	ON	2002/08/05 13:24
S111	416	((liquid adj crystal) and ((thick\$4 or spac\$3) with (pixel near electrode))) and (polarity)	US-PGPUB; USPAT	OR	ON	2002/08/05 13:24
S112	277	((liquid adj crystal) and ((thick\$4 and spac\$3) with (pixel near electrode)))	US-PGPUB; USPAT	OR	ON	2002/08/05 13:28
S113	74	((liquid adj crystal) and ((thick\$4 and spac\$3) with (pixel near electrode))) and polarity	US-PGPUB; USPAT	OR	ON	2002/08/05 14:06
S114	3321	"349"/\$.ccls. and (projection or protrusion)	US-PGPUB; USPAT	OR	ON	2002/08/05 14:12

S12 7	56	Kurihara near Takashi	US-PGPUB; USPAT	OR	ON	2002/08/05 16:10
S12 9	507	((spac\$4 with electrode) and (thick with (liquid adj crystal)))	US-PGPUB; USPAT	OR	ON	2002/08/05 16:25
S14 1	2	sikes-william.xp.	US-PGPUB; USPAT	OR	ON	2002/08/05 16:54
S14 2	7830	sikes near william	US-PGPUB; USPAT	OR	ON	2002/08/05 16:54
S14 3	2757	(sikes near william) and (liquid adj crystal)	US-PGPUB; USPAT	OR	ON	2002/08/05 16:55
S14 4	239	((sikes near william) and (liquid adj crystal)) and (polarity) and ((spac\$4 or thick\$4) with ((electrode) and (liquid adj crystal)))	US-PGPUB; USPAT	OR	ON	2002/08/05 17:20
S15 2	405	349/141	US-PGPUB; USPAT	OR	ON	2002/08/06 12:14
S15 3	318	349/141 and ((gap or thick\$4 or spac\$4) with electrode)	US-PGPUB; USPAT	OR	ON	2002/08/06 12:18
S15 4	57	349/141 and ((gap or thick\$4 or spac\$4) with (adjacent near3 electrode))	US-PGPUB; USPAT	OR	ON	2002/08/06 12:19
S15 5	217	"349"/\$.ccls. and (((spac\$4 or distance or gap or thick\$4) with electrode) same projection)	US-PGPUB; USPAT	OR	ON	2002/08/07 14:28
S15 6	274	"349"/\$.ccls. and (((spac\$4 or distance or gap or thick\$4) with electrode) same (projection or protrusion))	US-PGPUB; USPAT	OR	ON	2002/08/07 14:32
S15 7	13	Hirabayashi-Yukiya.in.	US-PGPUB; USPAT	OR	ON	2002/08/07 14:39
S15 8	171	"349"/\$.ccls. and (((spac\$4 or gap) with electrode) same (projection or protrusion))	US-PGPUB; USPAT	OR	ON	2002/08/07 17:02
S15 9	91	"349"/\$.ccls. and (((spac\$4 or gap) with electrode) with (projection or protrusion))	US-PGPUB; USPAT	OR	ON	2002/08/07 17:03
S16 1	492	(electrode same width same thick\$4 same (liquid near crystal))	US-PGPUB; USPAT	OR	ON	2003/02/04 14:57
S16 2	53	((electrode same width same thick\$4 same (liquid near crystal))) and (opposite with polarity)	US-PGPUB; USPAT	OR	ON	2003/02/04 15:10
S16 3	48	349/107	US-PGPUB; USPAT	OR	ON	2003/02/04 15:15
S16 4	154	349/83,84.ccls.	US-PGPUB; USPAT	OR	ON	2003/02/04 15:15
S16 5	120	349/83,84.ccls. and thick\$4	US-PGPUB; USPAT	OR	ON	2003/02/04 15:30
S16 6	21	(349/83,84.ccls. and thick\$4) and polarity	US-PGPUB; USPAT	OR	ON	2003/02/04 15:48
S16 7	242	349/37	US-PGPUB; USPAT	OR	ON	2003/02/04 15:49
S16 8	175	349/37 and thick\$4	US-PGPUB; USPAT	OR	ON	2003/02/04 16:24
S17 0	341	((liquid adj crystal) or (electro adj optical)) same (thick\$4) same (polarity)	US-PGPUB; USPAT	OR	ON	2003/02/04 16:26
S17 1	213	((liquid adj crystal) or (electro adj optical)) same (thick\$4) same (polarity) same (electrode)	US-PGPUB; USPAT	OR	ON	2003/02/04 16:33
S17 2	894	((thick\$4) and (polarity) and (electrode)).clm.	US-PGPUB; USPAT	OR	ON	2003/02/04 16:35
S17 3	86	((liquid adj crystal) and (thick\$4) and (polarity) and (electrode)).clm.	US-PGPUB; USPAT	OR	ON	2003/02/04 16:36
S17 6	65	(thick\$4) same (opposite near polarity) same ((liquid near crystal) or (electro adj optical))	US-PGPUB; USPAT	OR	ON	2003/02/10 10:18
S17 7	4	(thick\$4) same (opposite near polarity) same ((liquid near crystal) or (electro adj optical)) same (pixel near2 electrode)	US-PGPUB; USPAT	OR	ON	2003/02/10 10:18

S18 0	1496	345/204	US-PGPUB; USPAT	OR	ON	2003/02/12 09:25
S18 1	492	345/204 and (polarity)	US-PGPUB; USPAT	OR	ON	2003/02/12 09:26
S18 2	63	(345/204 and (polarity)) and (adjacent near pixel)	US-PGPUB; USPAT	OR	ON	2003/02/12 09:27
S18 6	5080	(spac\$3 with (adjacent near2 electrode))	US-PGPUB; USPAT	OR	ON	2003/02/12 10:21
S18 7	1275	((spac\$3 with (adjacent near2 electrode))) and polarity	US-PGPUB; USPAT	OR	ON	2003/02/12 10:21
S18 8	122	((((spac\$3 with (adjacent near2 electrode))) and polarity) and ((liquid adj crystal) or (electro adj optical:)))	US-PGPUB; USPAT	OR	ON	2003/02/12 10:25
S19 1	23	"4431271" and polarity	US-PGPUB; USPAT	OR	ON	2003/02/12 13:53
S19 2	3096	345/87	US-PGPUB; USPAT	OR	ON	2003/02/12 13:53
S19 3	94	345/87 and (line near inversion)	US-PGPUB; USPAT	OR	ON	2003/02/12 13:54
S19 4	292	349/130	US-PGPUB; USPAT	OR	ON	2003/08/21 15:31
S19 5	35120	"163" and (projection or groove)	US-PGPUB; USPAT	OR	ON	2003/08/21 15:28
S19 6	95	349/130 and (projection or groove)	US-PGPUB; USPAT	OR	ON	2003/08/21 15:29
S19 7	16	(349/130 and (projection or groove)) and polarity	US-PGPUB; USPAT	OR	ON	2003/08/21 15:29
S19 8	49	349/170	US-PGPUB; USPAT	OR	ON	2003/08/21 15:56